



## Productivity

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Prepared by Transportation Planning  
Missouri Department of Transportation

## Vertical Sight Distance Intersections



Intersect	Route	County	TW ID E/N	TW ID W/S	Crossroad	Log E/N	Log W/S	Severity	Speed	Sight Distance
204965	RT BB	PETTIS	4072	4073	CRD GREER RD S	0.74	2.067	3.63	55	168
105001	RT K	RAY	4542	4543	CRD E NEW HOPE RD S	9.921	7.527	3.44	55	177
115011	RT B	RAY	5061	5060	CRD E 144TH ST S	2.504	22.548	3.43	55	178
298136	RT O	JOHNSON	5065	5064	MO 2 E	16.205	8.838	3.43	55	178
145797	RT BB	SALINE		4340	CRD ALPINE AVE E		4.948	3.25	55	188
105839	RT C	RAY	4535	4534	CRD N UNION RD S	11.54	7.772	3.10	55	197
137088	RT T	RAY		4509	CST RICHMOND ST E		5.727	3.05	55	125
167130	RT E	LAFAYE	4665		CST LAFAYETTE ST S	4.663		2.81	55	217
93298	RT Z	PLATTE	5572	5573	CST FIRST ST E	1.786	11.155	2.80	55	159
117002	RT F	SALINE	4223	4224	CRD 103A S	3.354	11.013	2.69	55	227
103036	RT H	PLATTE	5556	5555	CST PLEASANT VIEW DR E	0.063	12.244	2.57	55	238
168768	RT D	LAFAYE	5071	5070	CRD HAPPY HOLLOW RD E	2.18	7.767	2.55	55	239
265901	RT TT	PETTIS		4476	US 50 E		0	2.54	55	240
121971	RT O	RAY	4517	4516	CRD PERRY RD S	6.529	4.422	2.50	55	244
165330	RT AA	SALINE	4152	4151	CRD 190TH RD E	4.705	2.037	2.48	55	246
105007	RT K	RAY	4542	4543	CRD BOWEN RD S	9.954	7.494	2.46	55	248
137516	RT Z	RAY	4511	4510	CRD CENTENNIAL RD S	5.183	2.356	2.44	55	250
95152	RT H	PLATTE	5556	5555	CRD KING RD S	6.049	6.258	2.44	55	250
115219	RT E	RAY	4541	4540	CRD E 144TH ST E	2.288	19.662	2.41	55	253
168965	RT AA	LAFAYE	4618	4619	CRD HARRISON RD S	8.303	3.297	2.40	55	254
179891	RT T	LAFAYE	4621	4620	CRD MORGAN RD E	0.531	6.675	2.36	55	259

### Description and Benefit

This innovation is an Excel spreadsheet that estimates intersection sight distance based on the vertical alignment of the road using data collected by ARAN on two-lane roads. Hill cutting projects to improve intersection sight distance are one of MoDOT's common safety improvement tools. Traditionally, these projects are developed based on complaints and crash history, both reactive approaches. This innovation takes a proactive approach by evaluating the entire MoDOT network in the Kansas City District to identify the intersections with the worst sight distance, allowing MoDOT to better allocate our safety funds to intersections before crashes occur. In addition to evaluating hill cutting projects, this tool can be used in conjunction with SAFER and in flagging intersections with lower sight distances for consideration of other low-cost improvements.

### For More Information Contact

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